

FIG.1

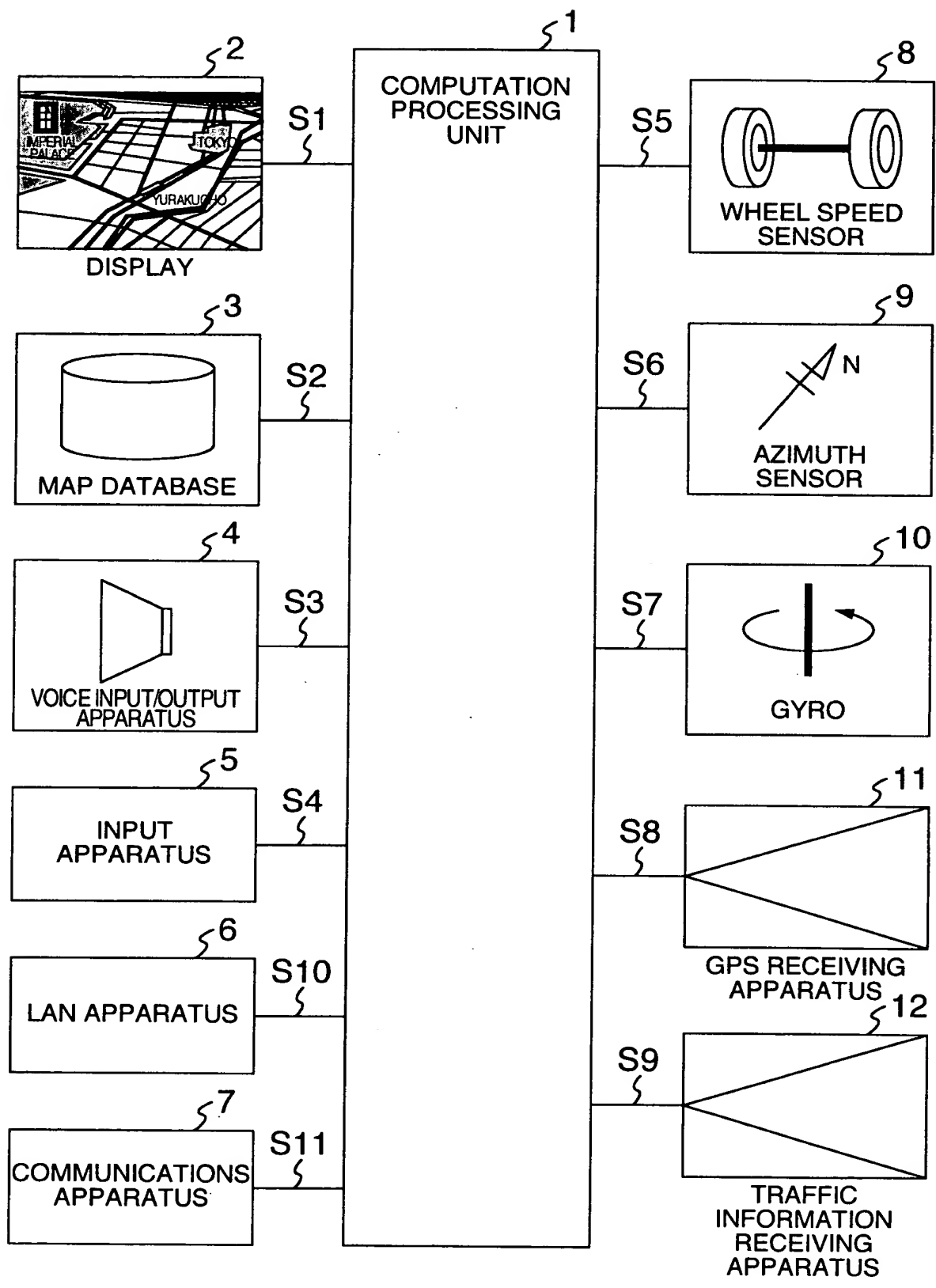


FIG. 1 is a block diagram of a navigation system. The system includes a central computation processing unit (1) connected to various input/output and sensor modules. The modules include a display (2), map database (3), voice input/output apparatus (4), input apparatus (5), LAN apparatus (6), communications apparatus (7), wheel speed sensor (8), azimuth sensor (9), gyro (10), GPS receiving apparatus (11), and traffic information receiving apparatus (12). The connections are labeled S1 through S11.

FIG. 2

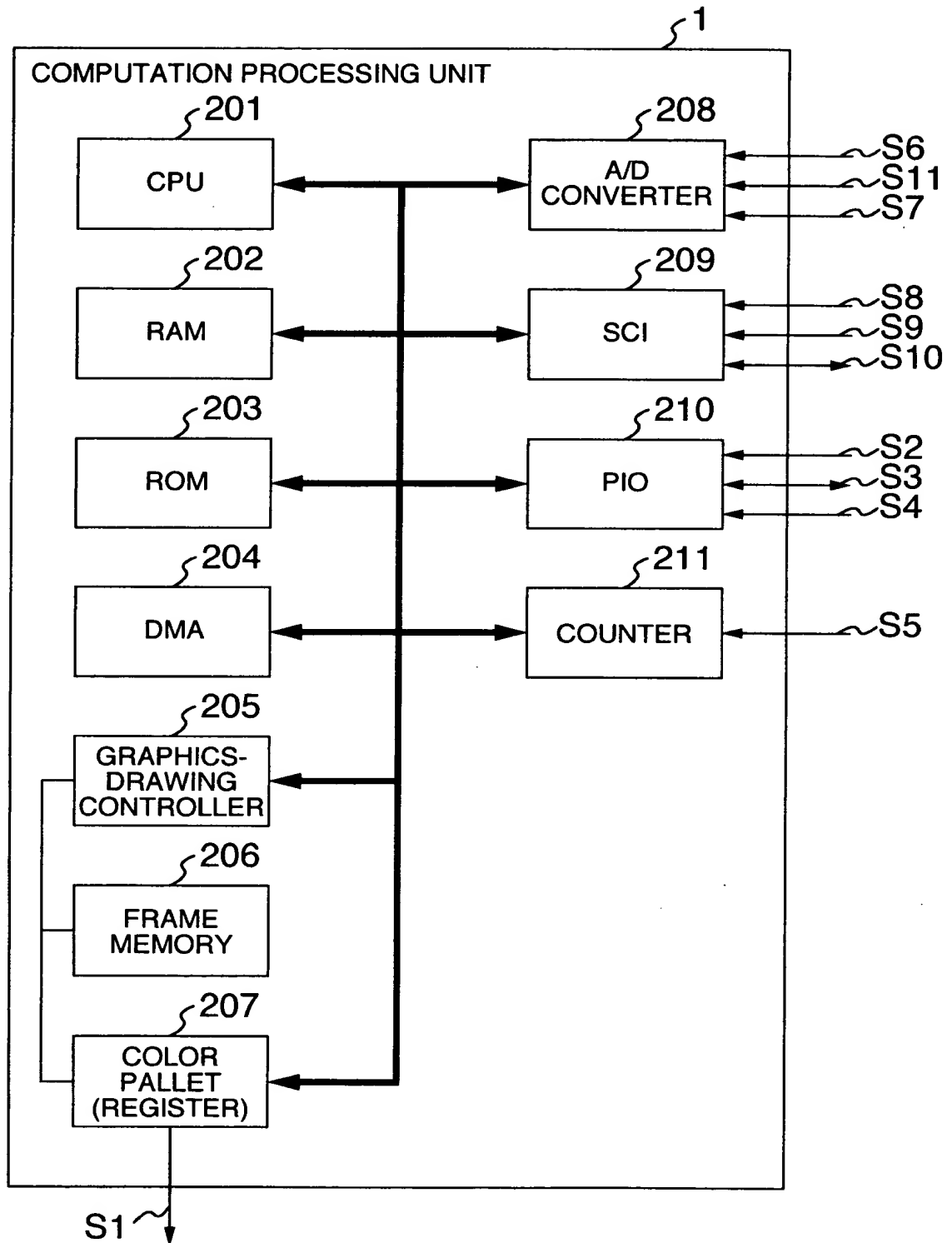


FIG. 3

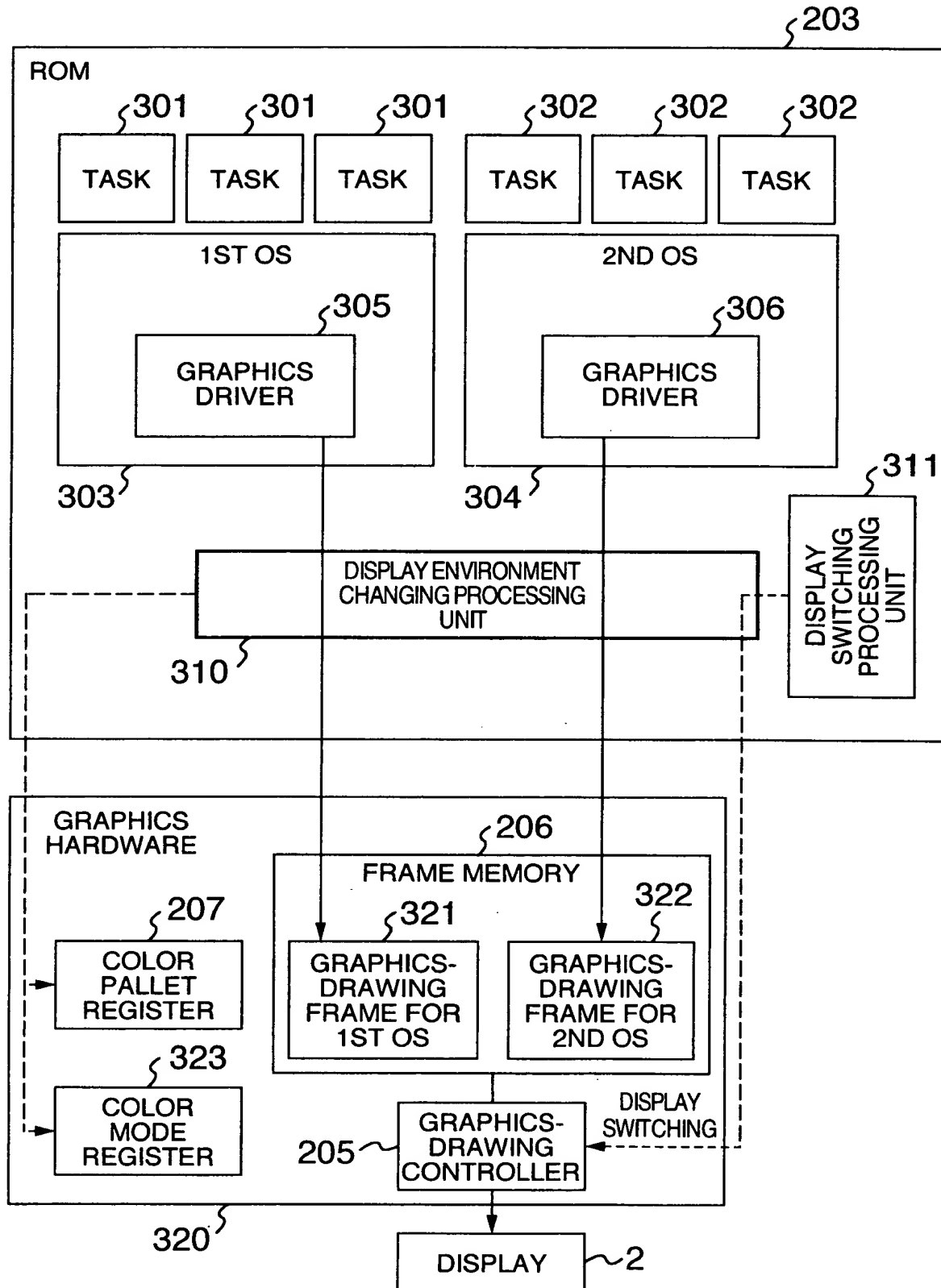


FIG. 4

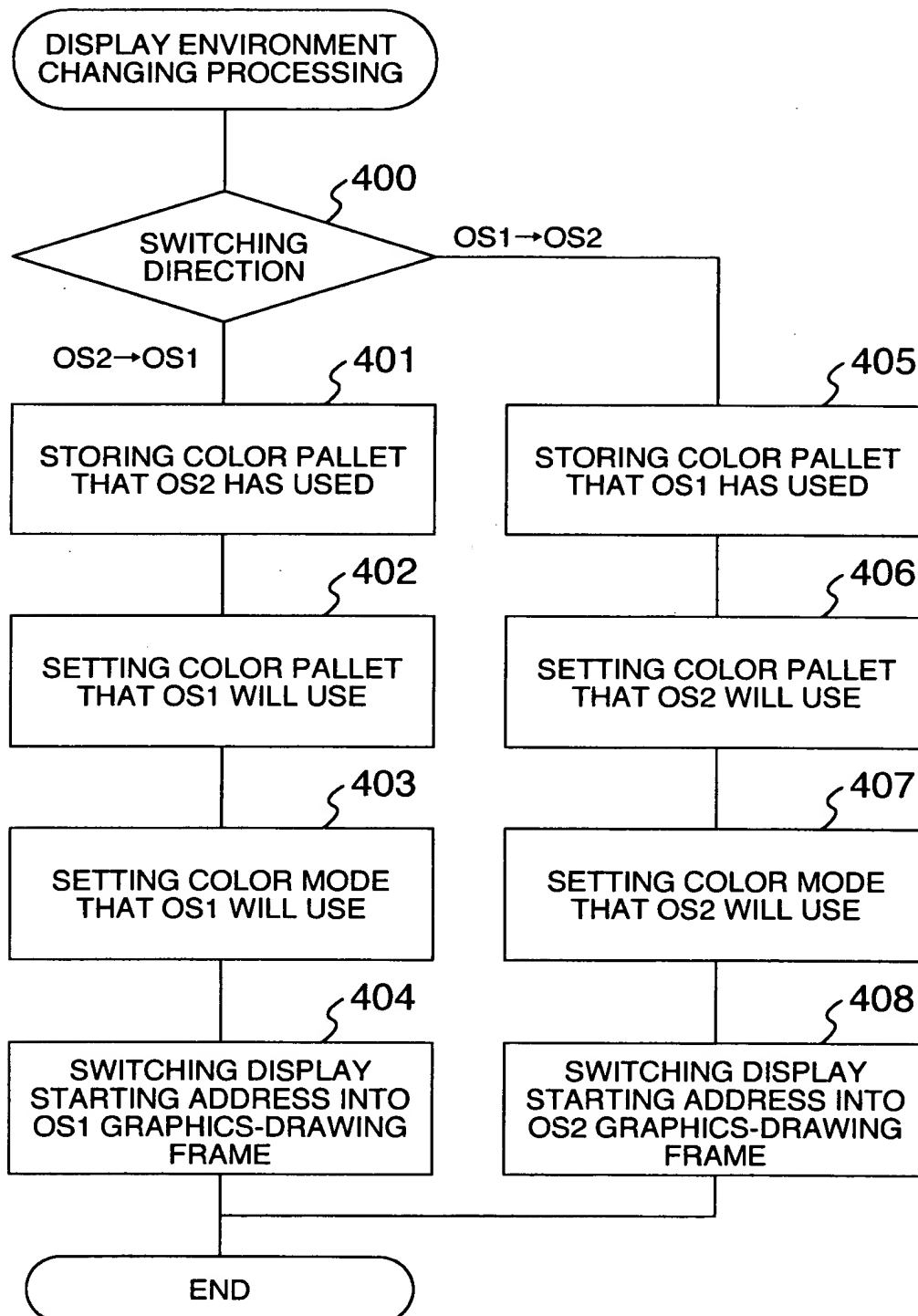


FIG. 5

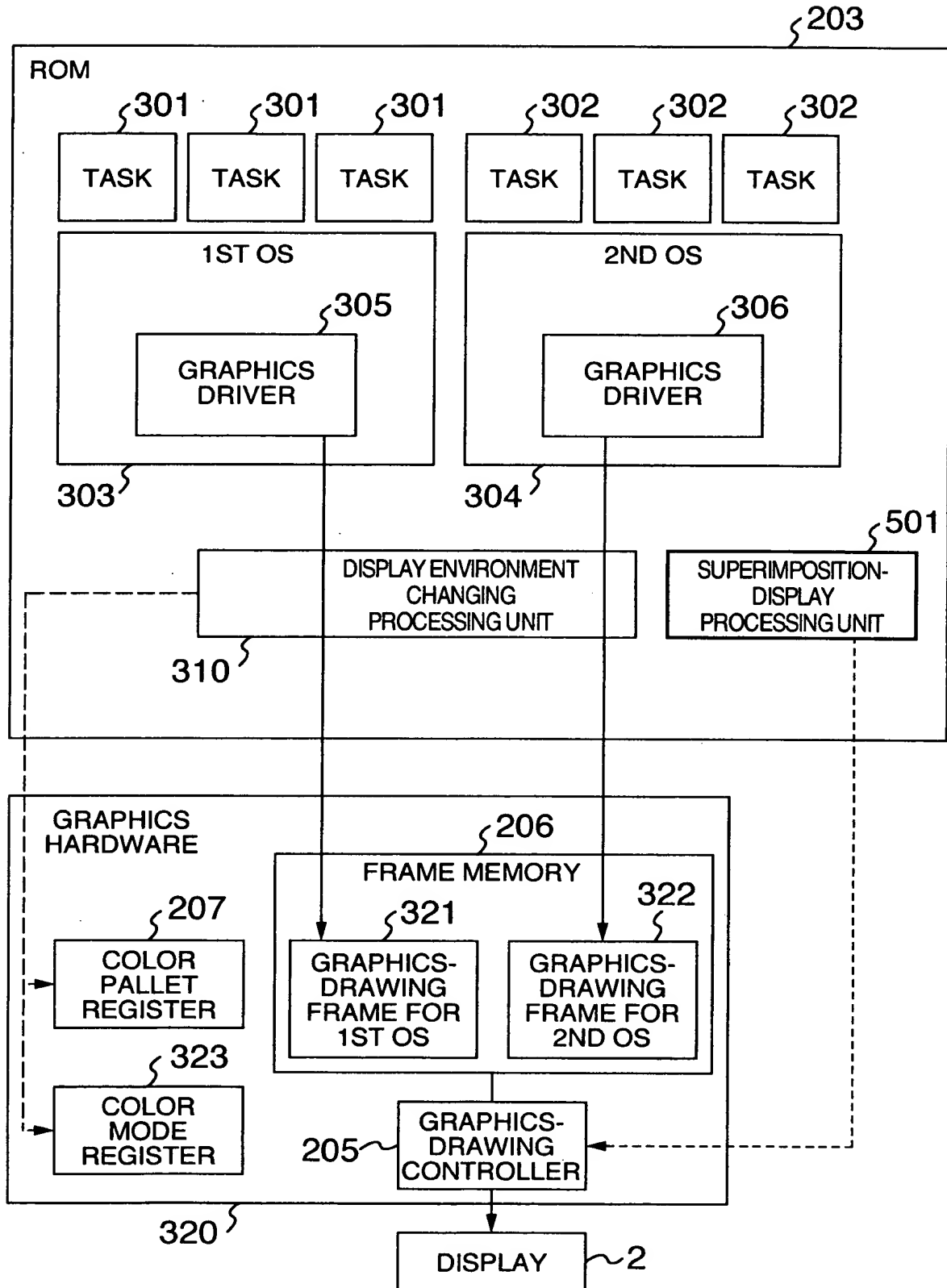


FIG. 6

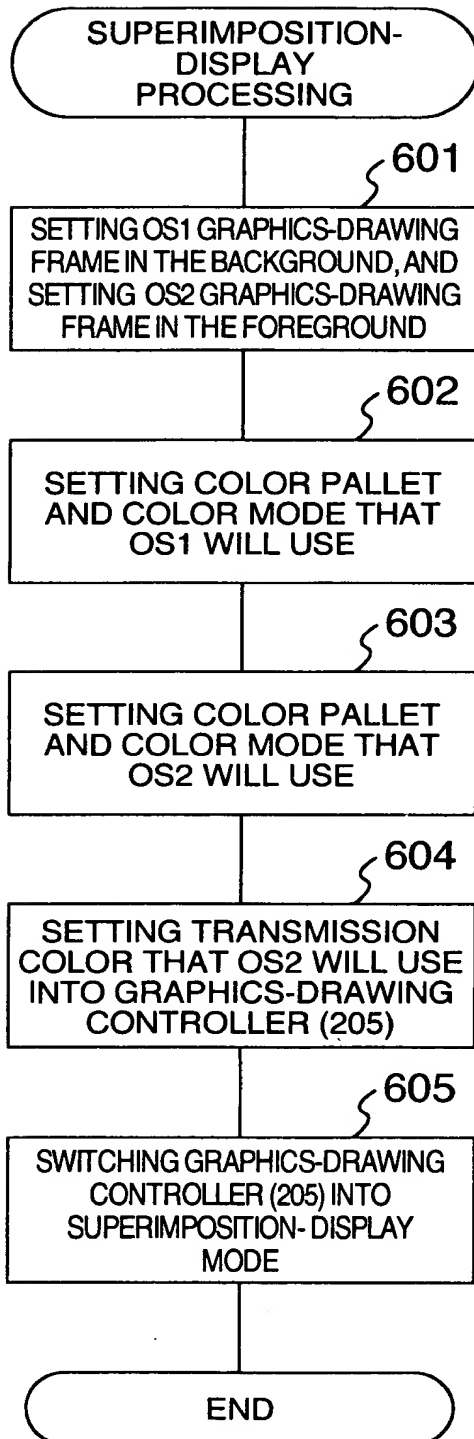


FIG. 7

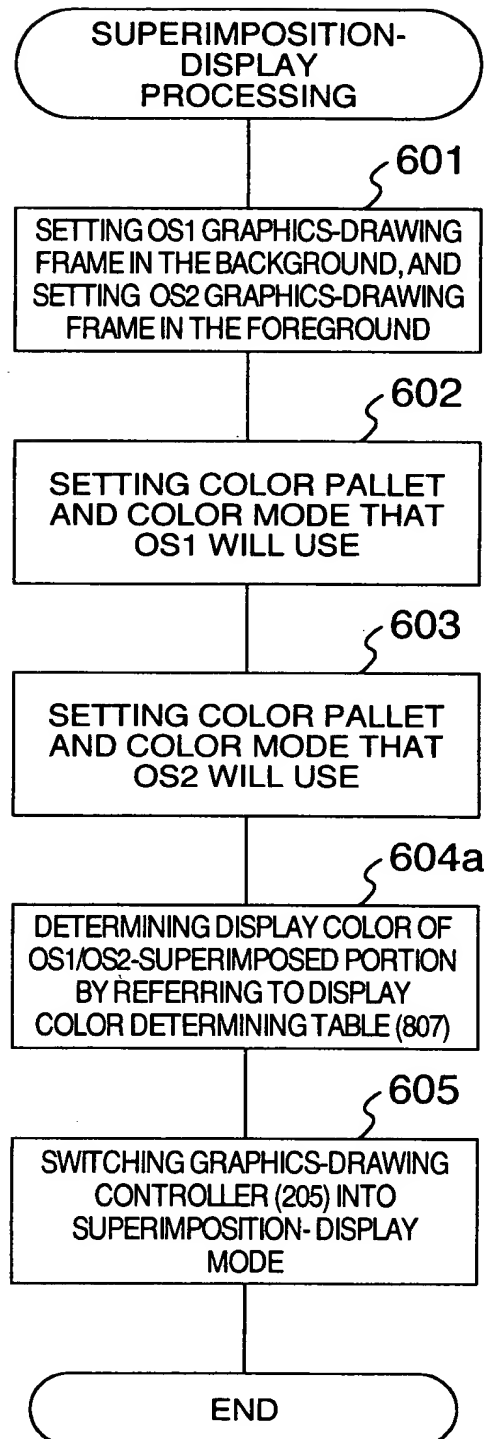


FIG.8A

OS1 GRAPHICS-DRAWING
FRAME

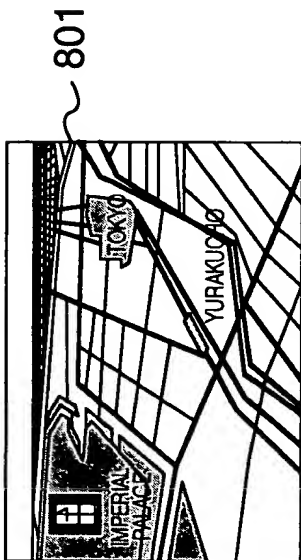


FIG.8B

OS2 GRAPHICS-DRAWING
FRAME

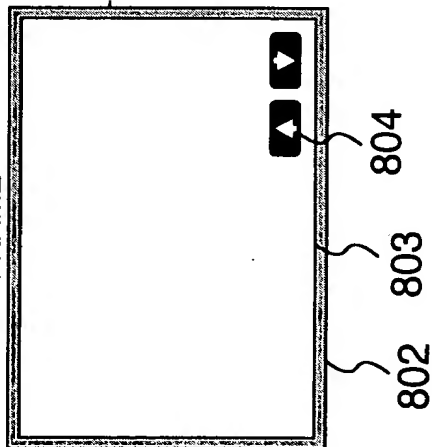


FIG.8C

COLOR ID 805

COLOR ID	DISTRIBUTION VALUE

DISPLAY COLOR
DETERMINING
TABLE

807

FIG.8D

808

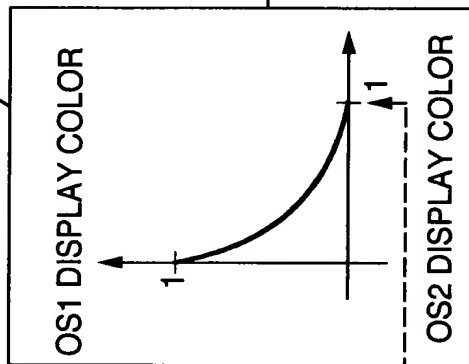


FIG.8E

DISPLAY

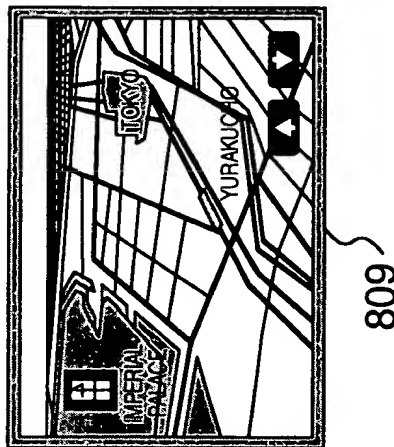


FIG. 9

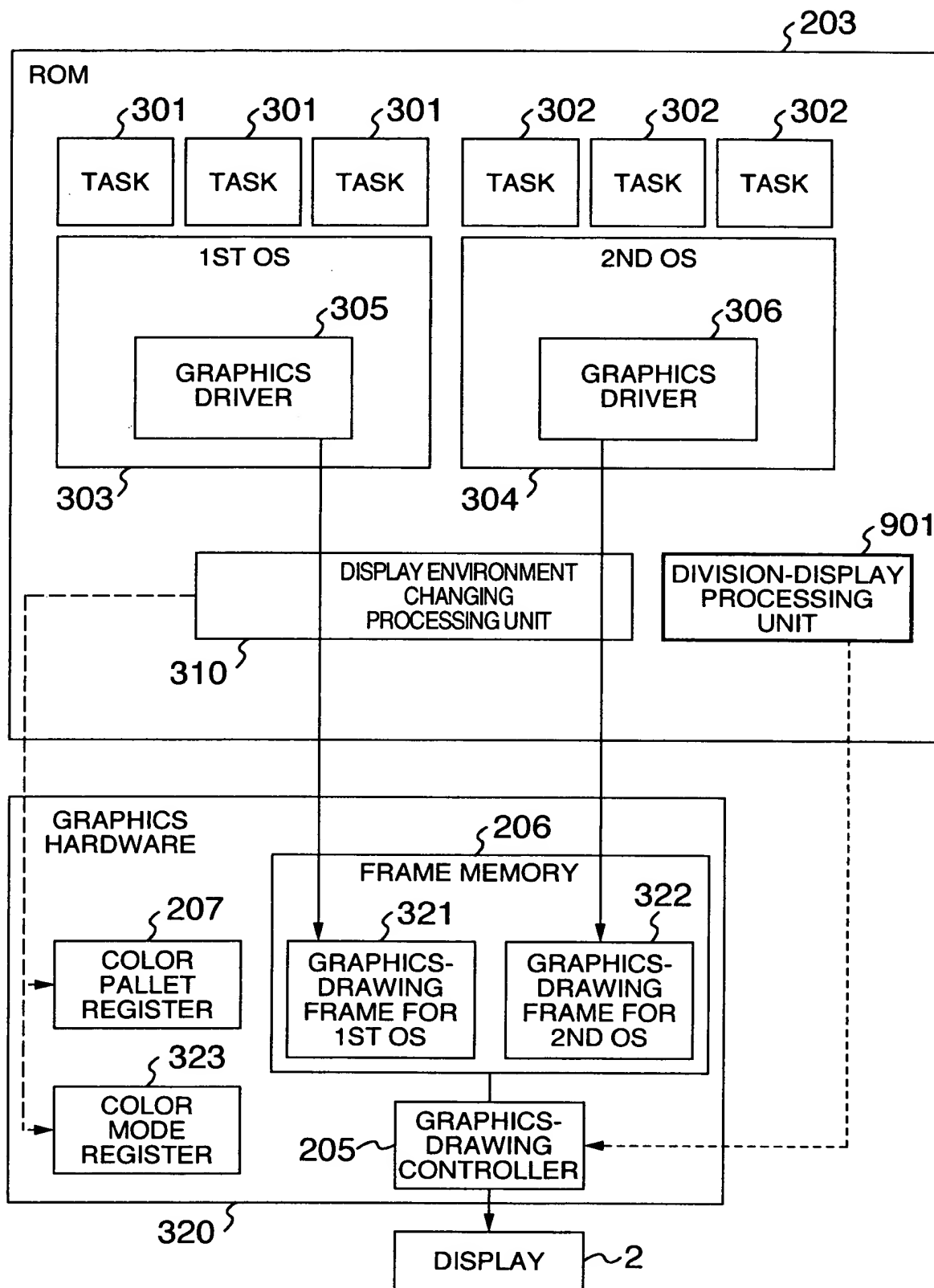


FIG. 10

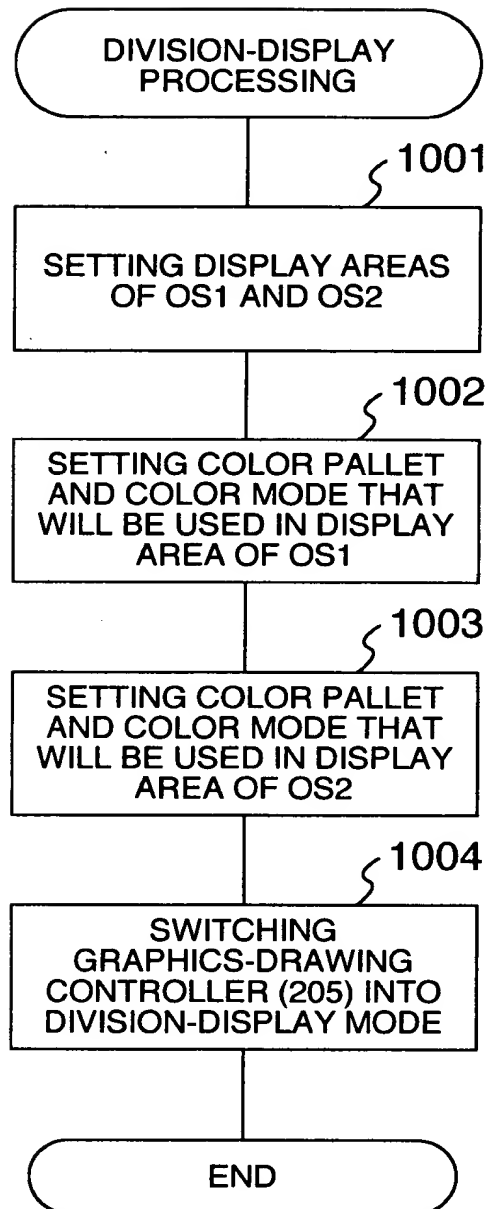


FIG. 11

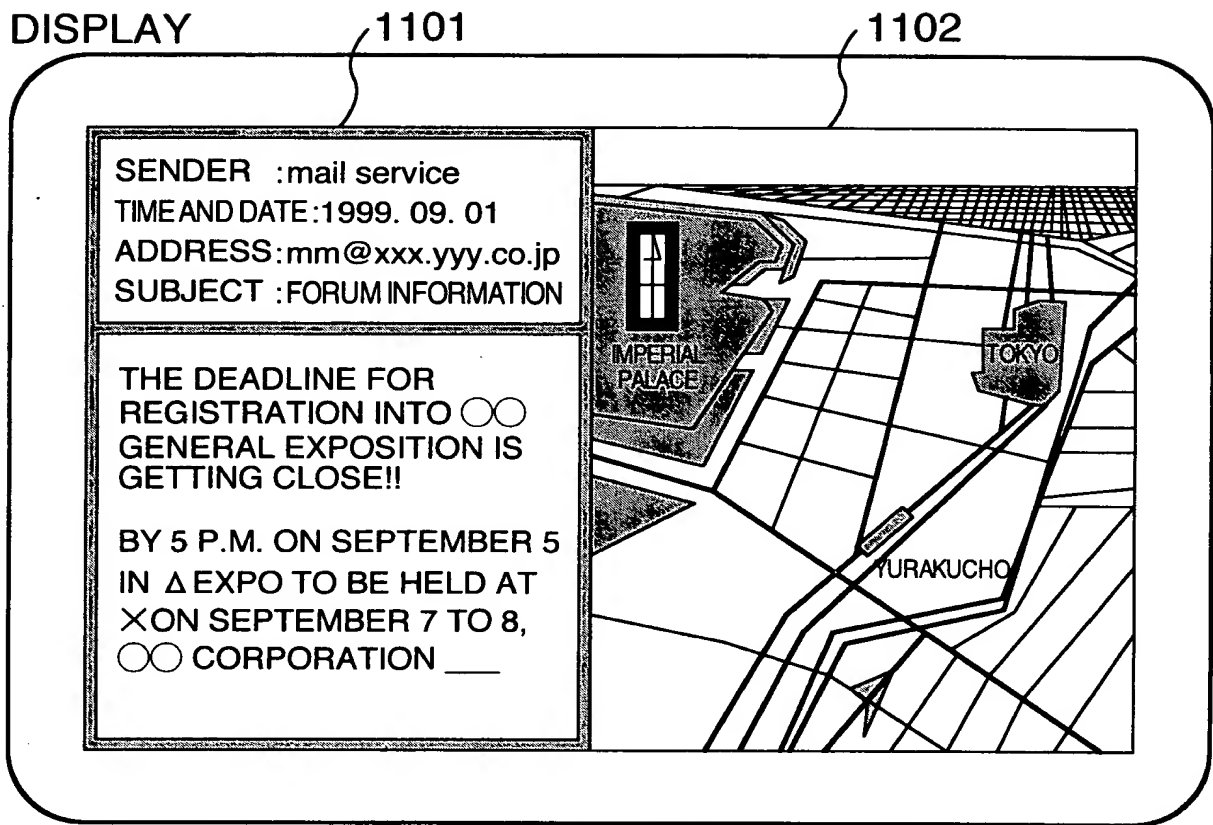


FIG. 12

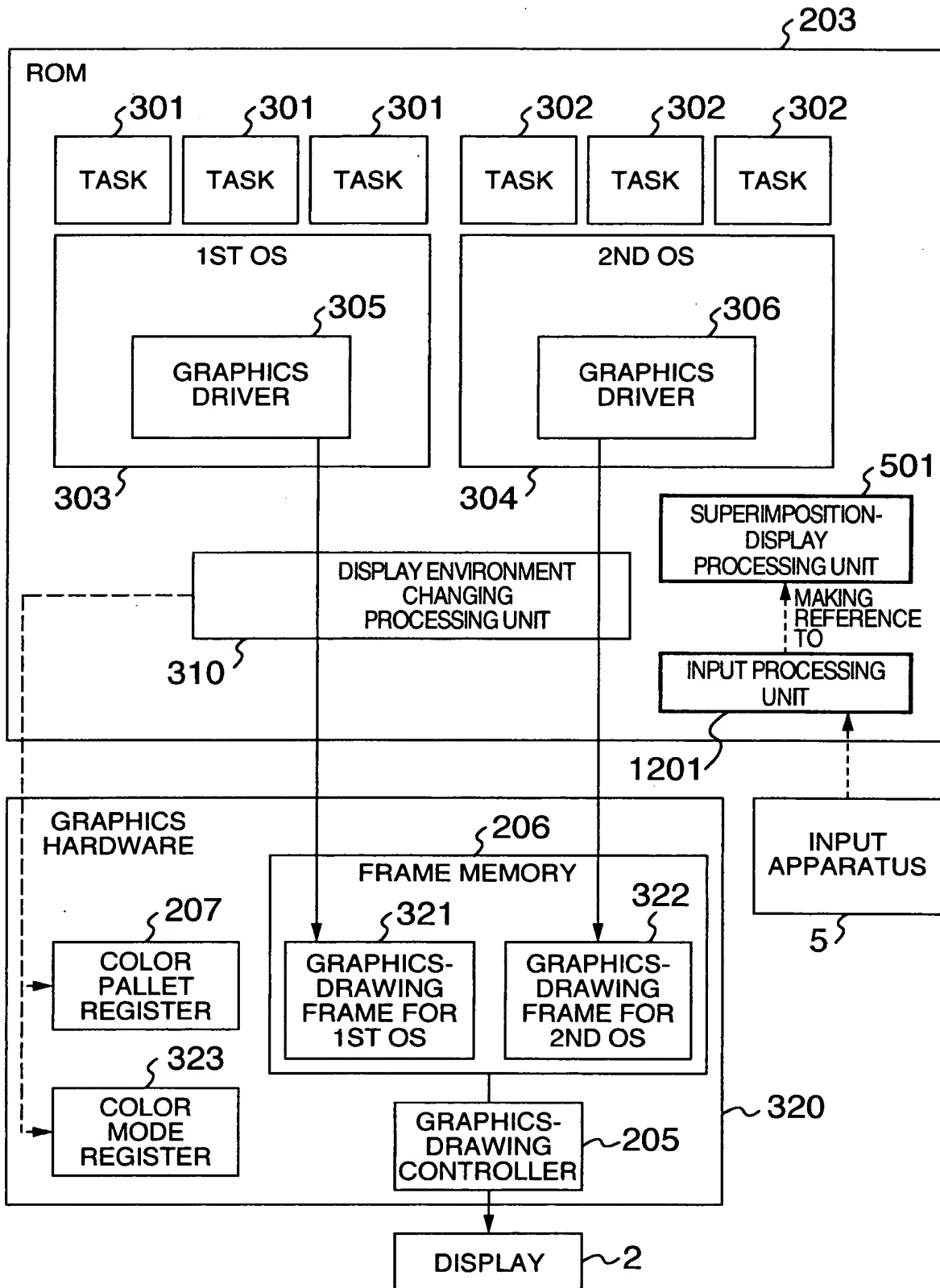


FIG. 13

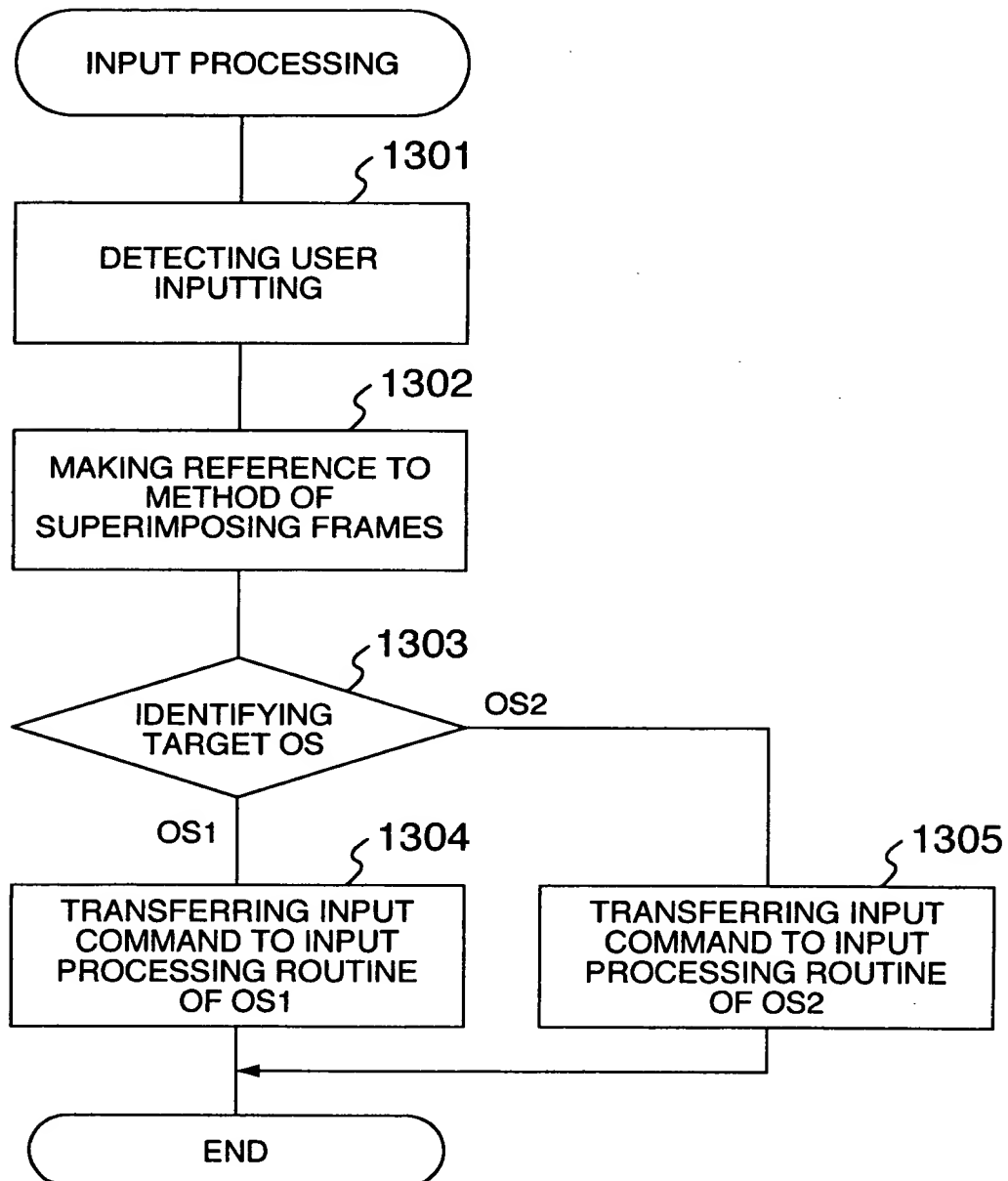
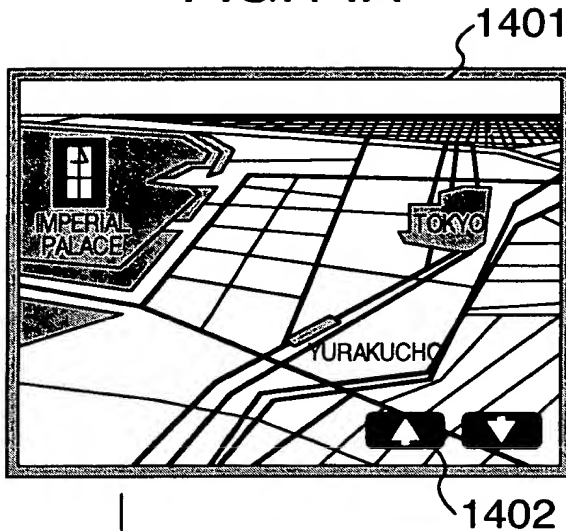
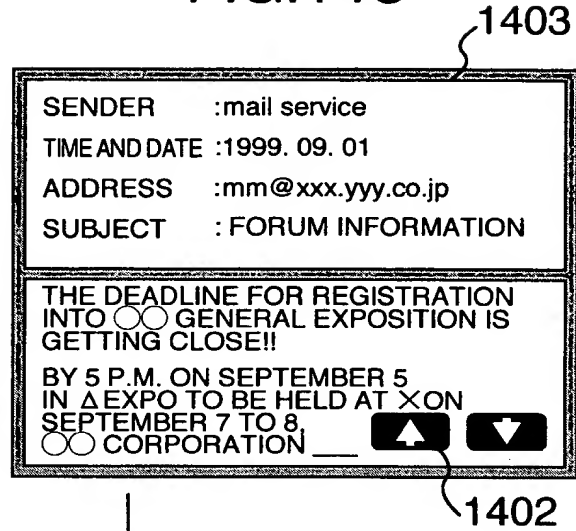


FIG.14A



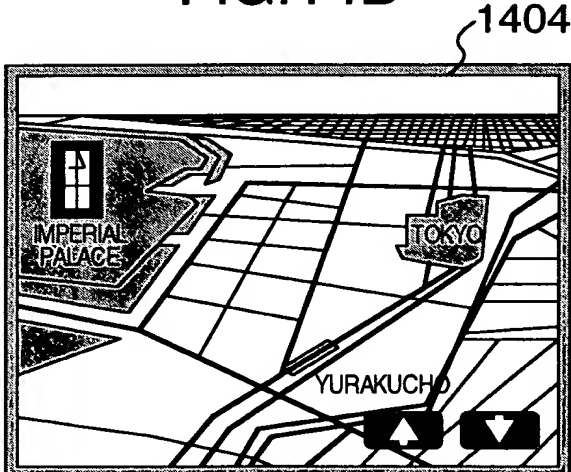
WHEN  IS PUSHED DOWN,
TRANSFER INPUT COMMAND
TO OS1

FIG.14C



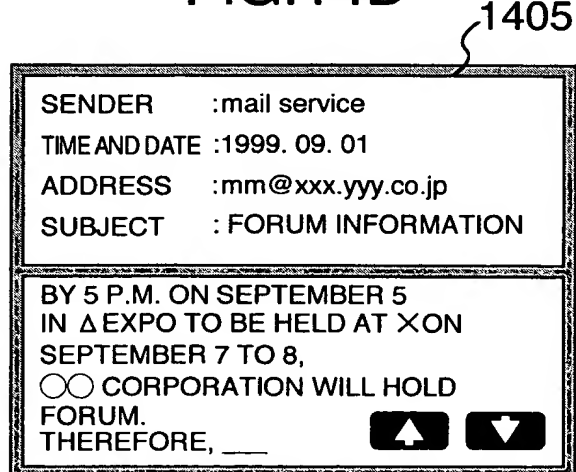
WHEN  IS PUSHED DOWN,
TRANSFER INPUT COMMAND
TO OS2

FIG.14B



SCROLLING MAP IN DOWNWARD
DIRECTION IN OS1

FIG.14D



SCROLLING MAIL IN DOWNWARD
DIRECTION IN OS2

FIG. 15

